Mid / Senior

Machine Learning Engineer

(Computer Vision)

About Alcatraz AI:

Join our innovative startup where we're developing cutting-edge face recognition devices with integrated tailgating detection capabilities. We are pushing the boundaries of computer vision and machine learning on edge devices, focusing on real-time performance in constrained environments. If you are passionate about creating impactful AI solutions and thrive in a fast-paced, challenging environment, we'd love to have you on our team.

Job description:

We are looking for a talented and driven Machine Learning Engineer with a strong background in computer vision to join our team in developing and integrating state-of-the-art machine learning models. You will work closely with your peers to optimize algorithms for real-time execution on resource-constrained edge devices, ensuring both high accuracy and exceptional performance. This role requires a deep understanding of both classical and deep learning-based computer vision techniques, as well as proficiency in Python and deep learning frameworks.

Key Responsibilities:

- Develop and integrate deep learning models for various computer-vision tasks such as object detection, tracking, depth estimation, and face anti-spoofing for our edge devices.
- Optimize models to run efficiently in resource-constrained environments, ensuring real-time execution.

- Collaborate with our C++ engineers to convert and optimize models for platform-specific inference libraries and accelerators.
- Implement and refine classical computer vision techniques, such as frame processing, camera calibration, and distortion correction.
- Test and validate models in real-world scenarios to ensure robustness and reliability.
- Stay updated with the latest advancements in machine learning and computer vision, applying new techniques where applicable.
- Work independently on loosely defined problems, demonstrating initiative and creativity in finding solutions.

Qualifications:

- Bachelor's degree or higher in a STEM field (Computer Science, Electrical Engineering, Mathematics, etc.) or equivalent work experience.
- Proficient in Python
- Strong background in classical and/or deep learning-based computer vision
- Proven familiarity with deep learning frameworks such as PyTorch, TensorFlow, etc. (professional experience preferred, but quality personal projects or certifications will also be considered).
- Experience in developing and deploying machine learning models on edge devices is a plus.
- Excellent problem-solving skills, with a proactive and self-motivated approach to work.
- Ability to work in a fast-paced startup environment and manage multiple tasks simultaneously.

Why You Should Join Alcatraz:

Alcatraz AI offers a cutting-edge solution that represents the future of physical security access control, highly valued by our customers.

Our startup enjoys strong market momentum and tremendous potential for growth.

We foster a culture of innovation, encouraging builders, makers, and creative thinkers to thrive.

Alcatraz AI is committed to equal opportunity employment.

We know you're already intrigued by the role, but let us share more about the our **extensive benefits and perks package we offer:**

- Stock options
- Premium Additional Health Insurance
- Unlimited time off
- Food vouchers
- Site bonus for transport / internet expenses
- Co-sponsored Multisport / Coolfit card
- Office massages
- Snacks & drinks

Please send your resume to careers@alcatraz.ai.